SONY
make.believe

VPL-SW535 and VPL-SW535C* Projectors

WXGA resolution ultra short throw projectors with 3000 lumens brightness

3LCD
BrightEra™

Designed for education, the VPL-SW535 and VPL-SW535C projectors are the perfect teaching tools for glare-less projection in changing light conditions. The VPL-SW535C comes with dual pen (teacher – student) interactivity and multiple media connectivity to make them more appealing to teachers wishing to engage with their students.

Both projectors deliver a 0.27 - 0.29:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.47 - 0.49 metres (approx. 1.54 - 1.61 feet) away from the screen creating a shadow-less image. They have been designed to be easy to operate and to deliver a low total cost of ownership. They are the ideal choice for ultra close projection applications in educational markets.

Furthermore, in common with all Sony projectors, the VPL-SW535 and VPL-SW535C both feature the Sony BrightEra 3LCD inorganic panel technology that delivers higher picture quality, substantially brighter images, higher efficiency, better contrast, consistent colour stability and longer durability and usability.

* VPL-SW535C - Dual pen interactivity

Maximum 3000 lumens brightness with High, Standard and Low modes
Both models feature three brightness modes for different uses – High for naturally white presentations in bright rooms (3000 Lumens), Standard for everyday use (2400 Lumens) and Low for video in darkened rooms (2000 Lumens).

Lens Shift Function
The projectors are equipped with horizontal and vertical lens shift functions for greater installation flexibility. Using this function, the position of the projected image can be moved vertically +/- 4% and horizontally +/- 2%.

0.27 - 0.29:1 Throw Ratio
These projectors offer a 0.27 - 0.29:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.47 - 0.49 metres (approx. 1.54 - 1.61 feet) away from the screen.

ECO Mode Key
Users can easily select power-saving ECO Modes. The most energy-efficient mode is accessible though a single button-push, with further adjustments available through an easily understood menu system.

Filter replaced at the same time as Lamp
The filter only needs to be cleaned when a new lamp is fitted, potentially halving disruption due to maintenance.

Key Features

Dual Pen Interactivity (VPL-SW535C only)
Provided interactive software and dual pens allow teachers and students to create, present, interact, playback and save work with most presentation files and 3rd party interactive software.

ECO Lamp Dimming
These projectors (if this function is selected) can reduce power consumption and brightness by 10-15%. After a user pre-set time, the brightness and power consumption will reduce to 30% power usage, with instant 100% brightness returning as soon as a new signal input is detected.

ECO Picture Mute - (Instant Off/Instant On)
The new ECO Picture Mute feature reduces power consumption down to 30%, saving cost and lamp hours. This feature can be used in the classroom as instant off/instant on in-between class changes. There is no need to power completely off and turn back on, which is time consuming.

Other Features

6000 Hours Lamp Life
A new driving scheme reduces gap expansion which minimises brightness gradation. A new cooling system allows uniformity in the temperature of the glass bulb which prevents the glass from clouding.

Vertical Keystone Adjustment
The projectors can correct keystone distortion by +/- 5% for perfect installation adjustment to the smart board or screen. (Note that since this is an electronic correction, it will reduce the picture quality slightly.)

Digital Zoom
With Digital Zoom, users can enlarge a selected area of a computer-sourced image on the screen up to four times.

Six Picture Modes
The VPL-SW535 and VPL-SW535C have six available picture modes for correct picture quality; Dynamic, Standard, Game, Living, Cinema and Presentation. With six picture modes and 3 brightness modes combined, users can select the most suitable picture/brightness mode according to the picture source and environment for the perfect image.

3LCD BrightEra Technology
The Sony 0.75 inch BrightEra inorganic TFT 3LCD panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability.

Digital / HD Ready
With the HDMI input, the projectors can accept digital signals from a PC or video source.

Smart APA (Auto Pixel Alignment)
When a computer is used as a picture source, APA automatically optimises Phase, Pitch and Shift values. These can also be adjusted manually.

Auto Input Search
Auto Input Search detects which input has an incoming signal and automatically switches to it. This makes it easier for users to set up the projector prior to making a presentation.

Picture Muting / Audio Muting
If there is a need to blackout the image or turn off the audio from the projector, all it takes is a single button-press on the remote control. One button will mute audio and image at the same time. There is also a separate "mute audio" button for audio-only muting.

Audio Switcher Facility
To avoid the need for a separate audio switcher, the projector can be used to select between two audio sources, routing them via a variable audio output to the room amplification system.

Picture Freeze Function
Picture Freeze is useful during presentations where users need to look at other material on their PC's screen without the viewing audience being aware. Freeze the current image and users can use their PC independently of the display from the projector.

Off and Go
At the end of a presentation, users can turn off the power supply to the projector immediately, instead of going through a 'power down' cycle.

Direct Power On/Off
With this function, there is no need to go through 'Standby' mode when powering up the projector. The projector can be set to activate as soon as power is supplied.

Built-in Security Measures
The projectors have a package of security measures, including password protection and physical anti-theft anchor points.

Web Control and Monitoring / E-mail Report
Built-in Web Browser IE allows the user or AV manager to check a projector status remotely. Power ON/STANDBY, input/output, lamp usage (hours) can be controlled. An E-mail address can also be set to notify lamp exchange/replacement or any unexpected problems.

PrimeSupport

All Sony Professional's education and business projectors sold into the EU, Norway and Switzerland come supplied with a 3 year projector and 1 year/1000 hour lamp cover PrimeSupport pack. This offers unique services and benefits over and above standard warranty:-

3 Year Projector and 1 Year Lamp/1000 Hour PrimeSupport Cover
Freephone telephone helpdesk support (00800 7898 7898) in 5 languages. Collection, repair and return anywhere in EU, Norway and Switzerland.

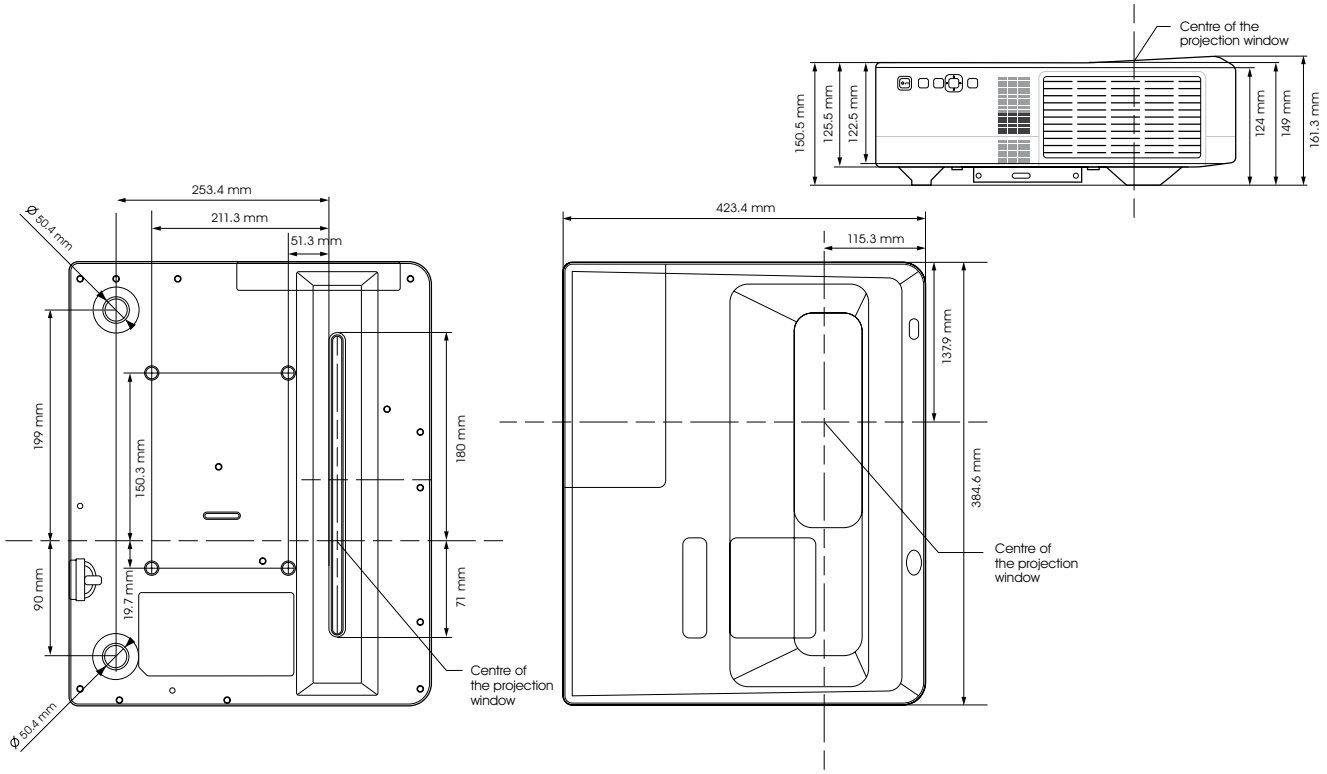
In addition, optional PrimeSupport Plus packs can be purchased which can further enhance the 3 year support to give extra peace of mind:-

- A 2 year extension of the standard 3 year PrimeSupport to give long-term assurance of expert support, technical assistance and repairs for 5 years from purchase date.
- Provision of a loan unit for 3 or 5 years cover to ensure minimal impact to the customer's business in case of product failure.
- Cover for a lamp failure throughout the 3 year PrimeSupport term for customers who don't want to have any unexpected running costs.

Prime Support

Prime Support Plus

Dimensions

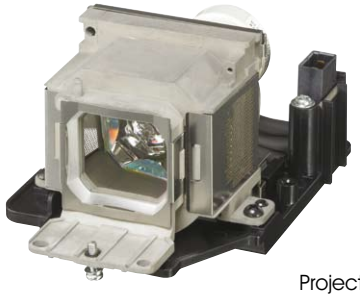


Connector Panels

VPL-SW535

VPL-SW535C

Optional Accessories



LMP-E212
Projector Lamp (for replacement)

IFU-PN100M Master Pen **IFU-PN100S** Sub Pen

Technical Specifications

Specifications		VPL-SW535	VPL-SW535C
EAN Codes		4905524837506	4905524884357
Display device	Display area	0.75" (15.0 mm) x 3, BrightEra, Aspect ratio: 16:10	
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels	
Projection lens	Throw Ratio	0.27 ~ 0.29:1	
	Optical Zoom	Manual	
	Optical Zoom Ratio	X1.05	
	Digital Zoom Ratio	X4	
	Focus	Manual	
	Lens Shift	Manual V: +/- 4% H: +/- 2%	
Light source		Ultra High Pressure lamp 210 W type	
Recommended lamp replacement time*1		3000 H / 4500H / 6000H (Lamp mode : High / Standard / Low)	
Filter cleaning cycle*1		Max. 6000 H / Same time as the lamp replacement is recommended	
Colour Light and White Light output		3000 lm / 2400 lm / 2000 lm (Lamp mode : High / Standard / Low)	
Light output		3000 lm / 2400 lm / 2000 lm	
Computer and video signal input/output	INPUT A	RGB / Y PB PR input connector: Mini D-sub-15 pin (female) Audio input connector: Stereo mini jack	
	INPUT B	HDMI (HDCP compatible) (Digital RGB/Y Pb Pr, Digital Audio)	
	VIDEO IN	Video input connector: Pin jack Audio input connector: Pin jack (x2) (shared with S VIDEO IN)	
	S VIDEO IN	S video input connector: Mini DIN-4 pin Audio input connector: Pin jack (x2) (shared with VIDEO IN)	
	OUTPUT	Monitor output connector*3: Mini D-sub-15 pin (female) Audio output connector*4: Stereo mini jack (variable out) Output From Input A (RGB) and Input B (HDMI)	
	USB	-	Type B - Interactivity
Control		RS-232C connector: D-sub 9-pin (male) LAN connector: RJ45, 10BASE-T/100BASE-TX	
Screen size (approx.)		70" to 130"	
Speaker		1W x 1 (monaural)	10W x 1 (monaural)
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz	
	Vertical	47 Hz to 93 Hz	
Display resolution	Computer signal input	Maximum input signal resolution: 1600 x 1200 (UXGA) fV:60Hz Panel display resolution: 1280 x 800 pixels	
	Video signal input	Video (Composite), 15K (480/60i, 576/50i), DTV (480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i)	
Colour System		Auto / NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N	
Colour system resolution		750 TV lines	
Keystone correction		Vertical: Max. +/- 5 degrees	
OSD language		22-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Finnish, Hungarian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian)	
Contrast ratio (full white/full black)*2		2500:1	
Acoustic noise		35 dB / 32 dB / 28dB (Lamp mode: High / Standard / Low)	
Operating temperature (Operating humidity)		0°C to 40°C / 32°F to 104°F (35% to 85% (no condensation))	
Storage temperature (Storage humidity)		-20°C to 60°C / -4°F to 120°F (10% to 90% (no condensation))	

Specifications		VPL-SW535	VPL-SW535C
Power requirement		AC 100 V to 240 V, 3.6-1.4A, 50 Hz /60 Hz	
Power consumption	AC 100 V to 120 V	290W / 250W / 214W	290W / 260W / 230W
	AC 220 V to 240 V	280W / 242W / 210W	280W / 250W / 220W
Standby mode power consumption	AC 100 V to 120 V	8W / 0.3 W (Standby mode: Standard / Low)	7.5W / 0.2 W (Standby mode: Standard / Low)
	AC 220 V to 240 V	8W / 0.3 W (Standby mode: Standard / Low)	7.5W / 0.3 W (Standby mode: Standard / Low)
Heat dissipation	AC 100 V to 120 V	989 BTU	989 BTU
	AC 220 V to 240 V	955 BTU	955 BTU
Safety Regulations	WW model	UL FCC cUL IC(LVD) EE(EMC) C-Tick CCC CB KC GOST-R SASO KUCAS PSB SABS NOM	
Body Colour		White	
Standard outside dimensions		W 384.4 x H 122.5 x D 423.4 mm / W 15 1/8 x H 4 13/16 x D 16 21/32 in (without protrusion)	
Mass (Approx.)		7.0kg / 15lb 7oz (without wall mount)	7.1kg / 15lb 10oz (without wall mount)
Supplied Accessories		RM-PJ7 Remote Commander (1) Lithium battery: CR2025 (1) Wall Mount & Manual Operating Instructions: WW: CD-ROM(1) Software License (Paper) Quick Reference Manual (1) AC Power Cord (1) PrimeSupport Warranty Pack (1) Outside of box Interactive Application CD ROM	
			IFU-PN100M, Master Pen IFU-PN100S, 2nd Sub Pen
Documentations		Safety warning, WEEE, EU Battery info, Service	
Battery: Remote commander of the projector	Category	Battery Lithium	
	Type	CR2025	
	Weight of single battery (g)	Approx. 2.3g	
	Number of batteries	1	
Optional Accessories		Projector Lamp: LMP-E212	Projector Lamp: LMP-E212 IFU-PN100M, Master Pen IFU-PN100S, 2nd Sub Pen

Specifications	VPL-SW535C only. Hardware minimum requirements	
OS	Windows XP SP2 or later (Home / Professional Edition)*5 Windows Vista non-SP or later (Home Basic / Home Premium / Business / Ultimate / Enterprise)*5 Windows 7 (Home Basic / Home Premium / Professional / Ultimate / Enterprise)*6	Mac OS X 10.3.7 or later Mac OS X 10.4.x Mac OS X 10.5.x Mac OS X 10.6.x
CPU	Pentium III 1.0GHz or faster	Power PC G4 1.25GHz or faster Recommended: Intel Core Duo 1.6GHz or faster
Amount of Memory	512MB or more	256MB or more
Hard Disk Free Space	100MB or more	
Display	Resolution greater than SVGA (800x600)	

Sony cannot test all 3rd party software available in the market. Sony is not responsible for non-compatibility of any 3rd party software.

*1: The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

*2: The value is average.

*3: Not available in standby.

*4: Works as audio switcher function. From current channel only. Not available in standby.

*5: 1 only 32bit edition.

*6: 32bit edition and 64bit edition.

© 2012 Sony Corporation. All rights reserved. Reproduction in whole or in part without permission is prohibited. Features and specifications are subject to change without notice. All non-metric weights and measurements are approximate. Sony and make.believe are trademarks of Sony Corporation. All other trademarks are the property of their respective owners.

Distributed by

About Sony Professional

Sony Professional is the leading supplier of AV/IT solutions to businesses across a wide variety of sectors including, **Media and Broadcast**, **Video Security and Retail, Transport & Large Venue markets**. It delivers products, systems and applications to enable the creation, manipulation and distribution of digital audio-visual content that add value to businesses and their customers. With over 25 years' experience in delivering innovative market-leading products, **Sony Professional** is ideally placed to deliver exceptional quality and value to its customers. **Sony's Professional Services** division, its systems integration arm, offers its customers access to the expertise and local knowledge of skilled professionals across Europe. Collaborating with a network of established technology partners, Sony Professional delivers end to end solutions that address the customer's needs, integrating software and systems to achieve each organisations' individual business goals. For more information please visit **www.pro.sony.eu**

HCT_VPL-SW535C_J396_UK_03/08/2012

SONY
make.believe